

WHAT IS CLAIMED IS:

1. An inkjet recording sheet having a high gloss cast coating recording layer containing a pigment and a binder comprising mainly polyvinyl alcohol on a support having air permeability, wherein
5 said pigment is a mixture comprising alumina (A) and silica (B) having an average particle diameter of 100~500nm, blended in the proportion of A:B=95:5~50:50 in terms of weight ratio.

2. The inkjet recording sheet according to Claim 1, wherein the polyvinyl alcohol of said cast coating recording layer comprises
10 the two components, polyvinyl alcohol (a) having a polymerization degree of 1,000 or more and a saponification degree of 98~99 mol%, and, polyvinyl alcohol (b) having a polymerization degree of 1500 or more and a saponification degree of 87~89 mol%.

3. The inkjet recording sheet according to Claim 1, wherein said
15 cast coating recording layer further comprises a polyarylamine hydrochloride.

4. The inkjet recording sheet according to Claim 1, wherein said support has one or more underlayers containing a binder and a pigment on at least one surface of a base paper, said pigment
20 contains synthetic amorphous silica (C) having an oil absorption amount of 200ml/100g or more and ground calcium carbonate (D) wherein the particles having a particle diameter of 2 μ m or less account for 95 wt% or more, and the weight ratio C:D of this synthetic amorphous silica and ground calcium carbonate is
25 50:50~80:20.

5. The inkjet recording sheet according to Claim 1, wherein said silica (B) is silica to which cationic properties have been imparted.

6. The inkjet recording sheet according to Claim 1, wherein said

alumina (A) is γ -alumina.

7. The inkjet recording sheet according to Claim 1, wherein the average particle diameter of said alumina (A) is 1.0~4.0 μ m.

8. The inkjet recording sheet according to Claim 1, wherein the
5 blending ratio of the pigment and the binder comprising mainly polyvinyl alcohol in said cast coating recording layer is 5~30 wt parts relative to 100 wt parts of pigment.

9. The inkjet recording sheet according to Claim 4, wherein the average particle diameter of said ground calcium carbonate (D) is
10 0.2~0.5 μ m.

10. The inkjet recording sheet according to Claim 4, wherein the blending ratio of the pigment and binder in said underlayer is 15~50 wt parts relative to 100 wt parts of pigment.

11. The inkjet recording sheet according to Claim 1, wherein said
15 cast coating recording layer is a recording layer formed by the wet method.

12. The inkjet recording sheet according to Claim 11, wherein said wet method is a method comprising a step having the function of solidifying the binder in the coating layer while the coating layer
20 is still in the wet state.

13. The inkjet recording sheet according to Claim 12, wherein said solidifying solution contains boric acid and a borate.